

**Method of Processing a Proteinaceous Material to Recover K-casein  
Macropeptide And Polymers of  $\alpha$ -Lactalbumin and  $\beta$ -Lactoglobulin**

**ABSTRACT OF THE DISCLOSURE**

A method of processing a proteinaceous material that includes  $\kappa$ -casein macropeptide, the method entailing polymerizing protein present in the proteinaceous material to yield a proteinaceous intermediate, where the proteinaceous intermediate includes polymerized protein, and separating the proteinaceous intermediate to yield a first portion and a second portion, where the first portion includes a majority of the  $\kappa$ -casein macropeptide from the proteinaceous material and the second portion includes a majority of the polymerized protein from the proteinaceous intermediate.